

Form PTO 1449 Rev. 7-80	U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)	Atty. Docket No. Mo5176/LeA 33,020	Serial No. 09/303,232
		Applicant Martin Adamczewski et al	
		Filing Date April 30, 1999	Group 1643

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PATENT FILING DATE APPROPRIATE
<i>Don</i>	AA	5,591,590	01/07/97	Heinemann et al	435	7.1	
<i>Don</i>	AB	5,599,709	02/04/97	Lindstrom et al	435	252.3	
<i>Don</i>	AC	5,683,912	11/04/97	Elgoyhen et al	435	252.3	
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FOREIGN PATENT DOCUMENTS

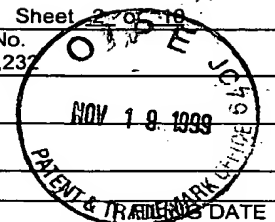
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Don</i>	AR	Proc. Natl. Acad. Sci, Vol. 80, pages 2067-1073, April 1983, Devillers-Thiery et al, Complete mRNA coding sequence of the acetylcholine binding α -subunit of Torpedo marmorata acetylcholine receptor: A model for the transmembrane organization of polypeptide chain
<i>Don</i>	AS	Science, Vol. 240, Wada et al, pages 330-334, Functional Expression of a New Pharmacological Subtype of Brain Nicotinic Acetylcholine Receptor. 4/15/98
<i>Don</i>	AT	Neuron, Vol. 5, July 1990, pages 35-48, Schoepfer et al, Brain α -Bungarotoxin Binding Protein cDNAs and MAbS Reveal Subtypes of This Branch of the Ligand-Grated Ion Channel Gene Superfamily
EXAMINER <i>Don</i>		DATE CONSIDERED 1-22-2000

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	AR	Molecular Neurobiology, Cockcroft et al, Vol. 4, (month unavailable) 1990, pages 130-169
<input checked="" type="checkbox"/>	AS	Ligand-Gated Ion Channels
<input checked="" type="checkbox"/>	AS	Journal of Neurochemistry, Schulz et al, (month unavailable) 1998, pages 853-862, Dα3, a New
<input checked="" type="checkbox"/>	AT	Functional α Subunit of Nicotinic Acetylcholine Receptor from Drosophila
		Schulz et al, unpublished, EMBL Accession No. Y15593, J. Neurochem. 1998; 71: 1122/99

EXAMINER	<i>Gregory Pelham Mayo</i>	DATE CONSIDERED	1-28-2000
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AR	Stetzer et al, unpublished, EMBL Nos. AJ000390, AJ000391, AJ000392, AJ000393	7/30/98
AS	Sgard et al, unpublished EMBL Nos. X81887 and X81888	1/8/97
AT	Genbank, Accession No. AA540687, AA698155, AA697710, AA697326	6/2/97 12/18/97 5/12/97 5/12/97
EXAMINER	Shropelhammayo	DATE CONSIDERED 1-28-2000

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


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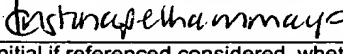
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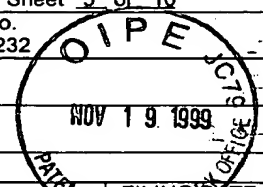
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	The EMBO Journal, vol. 7, no. 3, pp. 611-618, (month unavailable) 1988, Bossy et al, Conservation of neural nicotinic acetylcholine receptors from Drosophila to vertebrate central nervous systems
	AS	J. Insect. Physiol. Vol 33, No. 11, pp 771-790, (month unavailable) 1987, Breer et al, Molecular Properties and Functions of Insect Acetylcholine Receptors
	AT	The Journal of Experimental Biology 200, pages 2685-2692 (month unavailable) 1997, S.D. Buckingham et al, Imidacloprid Actions on Insect Neuronal Acetylcholine Receptors

EXAMINER 	DATE CONSIDERED 1-20-2000
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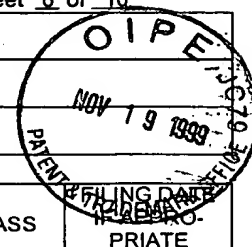
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	AR	Quarterly Reviews of Biophysics 25, 4 (month unavailable) 1992 pages 395-432, Jean-Pierre Changeux et al, The functional architecture of the acetylcholine nicotinic receptor explored by affinity labelling and site-directed mutagenesis
	AS	Nucleic Acids Research, Vol. 12, No. 1, (month unavailable) 1984, John Devereux et al, A comprehensive set of sequence analysis programs for the VAX
	AT	Proc. Natl. Aca. Sci., Vol 80, pp 1111-1115, February 1983, Toni Claudio et al, Nucleotide and deduced amino acid sequences of Torpedo californica acetylcholine receptor γ subunit
EXAMINER <i>Orinapellham Mayo</i>		DATE CONSIDERED <i>1-28-2000</i>

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	AR	The Journal of Biological Chemistry, Vol. 260, No. 6, March 25, 1985, pages 3440-3450,
	AS	Grzegorz Gryniewicz et al, A new Generation of Ca ²⁺ Indicators with Greatly Improved Fluorescence Properties
	AT	Proc. Natl. Acad. Sci., Vol 94, May 1997, pages 5195-5200, P element insertion-dependent gene activation in the Drosophila eye, Bruce A. Hay et al
		EMBO Journal, Vol. 5, No. 7, pages 1503-1508, (month unavailable) 1986, Irmgard Hermans-Borgmeyer et al, Primary structure of a developmentally regulated nicotinic acetylcholine receptor protein from Drosophila

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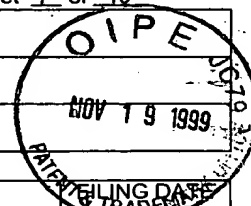
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	AR	EMBO Journal, Vol. 9, No. 13, pages 4391-4398, (month unavailable) 1990, John Marshall et al, Sequence and functional expression of a single α subunit of an insect nicotinic acetylcholine receptor
	AS	BioTechniques, Vol. 23, No. 1, July 1997, Efficient Non-PCR-Medicated Overlap Extension of PCR Fragments by Exonuclease "End Polishing"
	AT	Nature, vol. 299, October 28, 1982, pages 793-797, Noda et al, Primary structure of α -subunit precursor of Torpedo californica acetylcholine receptor deduced from cDNA sequence
EXAMINER <i>Estherapelhamayo</i>		DATE CONSIDERED <i>1-28-2000</i>

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	AR	Nature, vol. 301, January 20, 1983, pages 251-255, Noda et al, Primary structures of β - and δ -subunit precursors of Torpedo californica acetylcholine receptor deduced from cDNA sequences
	AS	Nature, vol. 302, April 7, 1983, pages 528-532, Noda et al, Structural homology of Torpedo californica acetylcholine receptor subunits
	AT	FEBS, Vol. 273, numbers 1,2, pages 177-181, October 1990, SBD, a novel structural subunit of the Drosophila nicotinic acetylcholine receptor, shares its genomic localization with two α -subunits
EXAMINER <i>John P. Hamma</i>		DATE CONSIDERED <i>1-20-2000</i>
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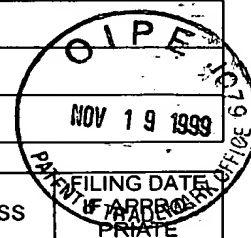
	AR	TINS, Vol. 18, No. 3, (month unavailable) 1995, pages 121-127 (Perspectives) Ortells et al, Evolutionary history of the ligand-gated ion-channel superfamily of receptors
	AS	The Tc1/mariner Transposon Family, pages 126-143, (date unavailable) Curr. Top. Microbiol. Immunol. 1996 Vol 204
	AT	The EMBO Journal, Vol. 9, No. 9, pp. 2671-2677 (month unavailable) 1990, Erich Sawruk et al, Heterogeneity of Drosophila nicotinic acetylcholine receptors: SAD, a novel developmentally regulated α -subunit

EXAMINER *Christina Pelham Mayo*DATE CONSIDERED *1-28-2000*

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	AR	The EMBO Journal, Vol. 7, No. 9, (month unavailable) 1988, pages 2889-2894, Neuronal acetylcholine receptors in Drosophila: the ARD protein is a component of a high-affinity α -bungarotoxin binding complex, Patrick Schloß et al
	AS	FEBS Letters 397 (month unavailable) 1996, pages 39-44, Stable expression in HEK-293 cells of the rat $\alpha 3/\beta 4$ subtype of neuronal nicotinic acetylcholine receptor, Eva Stetzer et al
	AT	Pflügers Arch-Eur. J. Physiol (month unavailable) 1995, 430, pages 340-347, Zong et al
EXAMINER <i>byrapulhamma</i>		DATE CONSIDERED <i>12-2-99</i>
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